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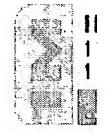
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2	35	ASP adj web adj Page\$5	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 12:27
3	2	((one single unit) near3 (browser form) near10 (Obtain\$5 receiv\$6 get\$5)near10 (state) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:41
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6	0	((one singl\$5) near10(browser) near10 (Obtain\$5 receiv\$6 get\$5)near10 (state) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 12:36
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8	33	((browser) near10 (Obtain\$5 receiv\$6 get\$5)near10 (state status configur\$6) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state status configur\$6) near10 (devic\$5 applianc\$5))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 12:42
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10	0	(09/746673) and singh	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:11
11	0	("09746673") and gurminder	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:11
12	0	("09/746673") and gurminder	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:12
16	0	((BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit) near10 (execut\$6) near10 (routin\$6)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:37
17	0	((BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit\$5) near10 (execut\$6) near10 (routin\$6)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/08/19 13:15

18	20	((BROWSER FORM) ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (execut\$6) near10 (routin\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:15
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20	203	(BROWSER) ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:19
21	108	(FORM) ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:19
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24	2	(associat\$5 execut\$5 connect\$5) near10 (routin\$5 program\$5) near10 (submit adj button)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:23
25	11	(associat\$5 execut\$5 connect\$5) near10 (routin\$5 program\$5 method) near10 (submit adj button)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:23
26	11	(associat\$5 execut\$5 connect\$5) near10 (routin\$5 program\$5 method\$5) near10 (submit adj button)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:31
27	10	(associat\$5 execut\$5) near10 (routin\$5 program\$5 method\$5) near10 (submit adj button)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:32
28	12	(associat\$5 execut\$5) near15 (routin\$5 program\$5 method\$5) near15 (submit adj button)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:32
29	0	((web) ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit) near10 (execut\$6) near10 (routin\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:37
30	16	(web) ADJ(BASED DRIVEN DEPENDENT) near15 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:37
31	0	((web) ADJ(based)) near10 (Obtain\$5 receiv\$6 get\$5) near10 (state) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:48

32	0	((web)near5(based dependent\$5)) near10 (Obtain\$5 receiv\$6 get\$5)near10 (state) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:48
33	4	((web-based) near10 (network near5 manag\$5)) and ((Obtain\$5 receiv\$6 get\$5)near10 (state) near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:58
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-	24	((configur\$4) near10 (network adj devic\$2)) and forms and (script\$4 adj language)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 10:55
-	418283	((configur\$4) near10 (network adj devic\$2)) and forms and (script\$4 adj language)) and 709/220, 221, 223, 224.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:01
-	6297	709/220,221,223,224.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 16:59
-	5	709/220,221,223,224.ccls. and ((configur\$4) near10 (network adj devic\$2)) and forms and (script\$4 adj language))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/19 13:08
-	704	((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:59
-	258	((obtain\$4 receiv\$4) near2 (network adj device)) near2 (state information configur\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:59
-	106	((obtain\$4 receiv\$4) near2 (network adj device)) near2 (state information configur\$5)) and (((configur\$4) near2 (network adj device)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:09
-	33	(((obtain\$4 receiv\$4) near2 (network adj device)) near2 (state information configur\$5)) and (((configur\$4) near2 (network adj device)))) and ((user operator) adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:09
-	68	((obtain\$4) near2 (network adj device)) near2 (state information configur\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 17:00
-	28	709/220,221,223,224.ccls. and((obtain\$4) near2 (network adj device)) near2 (state information configur\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 16:00
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	27	((request query string)and (request form)) and 709/220,221,223,224.ccls.) and ((obtain\$4) near2 (network adj device)) near2 (state information configur\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/22 16:10
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	7	(709/220,221,223,224.ccls. and (GUI (graphical adj user adj interface))) and ((obtain\$4) near2 (network adj device)) near2 (state information configur\$5)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/22 17:00
	52	(709/220,221,223,224.ccls. and (GUI (graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/23 10:52
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	1	(09/223565) and lindhorst	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 14:08

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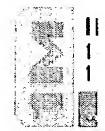
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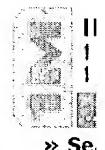
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1 **MASSIHN: a multi-agent architecture for intelligent home network service**

Cheng-Fa Tsai; Hang-Chang Wu;

Consumer Electronics, IEEE Transactions on , Volume: 48 , Issue: 3 , Aug. 2000
Pages:505 - 514

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2 **Shape-controlled traffic patterns that maximize overflow probability in high-speed networks**

Kesidis, G.; Konstantopoulos, T.;

Decision and Control, 1998. Proceedings of the 37th IEEE Conference on , Vol. 1 , 16-18 Dec. 1998
Pages:545 - 550 vol.1

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1 Awareness and the WWW: an overview

Olivier Liechti

December 2000 **ACM SIGGROUP Bulletin**, Volume 21 Issue 3

Full text available: [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The notion of awareness has received a lot of attention in the CSCW literature for quite some time now. Because it cannot be very precisely and uniquely defined, this notion covers a range of issues and is critical in very different situations. This is also true in the particular context of the WWW, where awareness has more than one facet. One objective for this paper is to give an overview of the field, by reviewing different awareness categories and by showing how they relate to Web-based syst ...

Keywords: CSCW, WWW, activity space, awareness, contextual awareness, group awareness, implementation platform, peripheral awareness, workspace awareness

2 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Full text available: [pdf\(207.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

3 Interpersonal trust and common ground in electronically mediated communication

Steve Greenspan, David Goldberg, David Weimer, Andrea Basso

December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Full text available: [pdf\(222.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Communication and commerce by web or phone creates benefits and challenges for both

buyer and seller. Websites provide convenience and visualization; telephones provide voice and real-time interaction. To combine key elements of these experiences, we developed PhoneChannel. Using PhoneChannel, a PC user while talking on the telephone can display visuals on the other person's television. How do these different media affect the consumer experience? In a recent laboratory study, prospective ho ...

Keywords: WWW, consumers, conversation, telephony, television

4 [Evolution of Contact Point: a case study of a help desk and its users](#)

Lena Mamykina, Catherine G. Wolf

December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Full text available:  pdf(226.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the evolution of a concept, Contact Point, the research process through which it evolved, and the work context and practices which drove its evolution. Contact Point is a web-based application that helps a business manage its relationships with its customers. It can also be used within a business as a means for managing the relationship between parts of the business. In this paper we describe a study of the applicability of Contact Point to the technical services organi ...

Keywords: case study, design process, help desk, user needs, user-centered design

5 [WebSplitter: a unified XML framework for multi-device collaborative Web browsing](#)

Richard Han, Veronique Perret, Mahmoud Naghshineh

December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Full text available:  pdf(200.60 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

WebSplitter symbolizes the union of pervasive multi-device computing and collaborative multi-user computing. WebSplitter provides a unified XML framework that enables multi-device and multi-user Web browsing. WebSplitter splits a requested Web page and delivers the appropriate partial view of each page to each user, or more accurately to each user's set of devices. Multiple users can participate in the same browsing session, as in traditional conferencing groupware. Depending on the acc ...

Keywords: PDA, XML, co-browsing, collaboration, groupware, middleware, multi-device, partial view, pervasive, proxy, remote control, service discovery, wireless

6 [Identifying information network profiles for planning management](#)

Saad Haj Bakry, Fahed Haj Bakry

November 2000 **International Journal of Network Management**, Volume 10 Issue 6

Full text available:  pdf(283.60 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The increasing need for information networks and the increasing change affecting these networks are making their development and planning increasingly sophisticated. This paper attempts to identify a comprehensive information profile for such networks, and discuss its use for enhancing the management of network development and supporting future planning decisions. Copyright © 2000 John Wiley & Sons, Ltd.

7 [Challenges and approaches in providing QoS monitoring](#)

Yuming Jiang, Chen-Khong Tham, Chi-Chung Ko

November 2000 **International Journal of Network Management**, Volume 10 Issue 6

Full text available:  pdf(208.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a brief survey of current QoS monitoring-related mechanisms, followed by a discussion of the challenges involved in providing QoS distribution monitoring. Several approaches are then proposed to meet these challenges. Finally, the issues that remain open are discussed. Copyright © 2000 John Wiley & Sons, Ltd.

8 Annotation-based transcoding for nonvisual web access 

Chieko Asakawa, Hironobu Takagi

November 2000 **Proceedings of the fourth international ACM conference on Assistive technologies**

Full text available:  pdf(451.21 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: blind, commentary annotation, nonvisual web access, structural annotation, transcoding system

9 Models for reader interaction systems 

Daniel Berleant

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Full text available:  pdf(210.85 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: browsers, browsing, foraging, metaphors, models, navigation, paradigms, reading, text

10 Collaborative proxy system for distributed Web content transcoding 

Valeria Cardellini, Philip S. Yu, Yun-Wu Huang

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Full text available:  pdf(251.02 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Using high-speed WANs and network data caches to enable remote and distributed visualization 

Wes Bethel, Brian Tierney, Jason Lee, Dan Gunter, Stephen Lau

November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  pdf(302.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
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Visapult is a prototype application and framework for remote visualization of large scientific datasets. We approach the technical challenges of tera-scale visualization with a unique architecture which employs high speed WANs and network data caches for data staging and transmission. This architecture allows for the use of available cache and compute resources at arbitrary locations on the network. High data throughput rates and network utilization are achieved by parallelizing I/O at each ...

12 Designing for context: usability in a ubiquitous environment

Jenna Burrell, Paul Treadwell, Geri K. Gay

November 2000 **Proceedings on the 2000 conference on Universal Usability**Full text available:  pdf(914.37 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Freeing users from the desktop is now a practical reality in many environments. The implications for mobility are both far-reaching and under-realized in many of the current scenarios we have seen. Our work has focused on the integration of user input into the iterative design process used to develop a contextually aware application for use in an educational environment. We discuss the design and development of Semaphore, a contextually aware tool for use in wireless networked environments, a ...

Keywords: context-aware computing, mobile computing, social navigation**13 A scalable SNMP-based distributed monitoring system for heterogeneous network computing**

Rajesh Subramanyan, José Miguel-Alonso, José A. B. Fortes

November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)**Full text available:  pdf(171.64 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#) Publisher Site

Traditional centralized monitoring systems do not scale to present-day large, complex, network-computing systems. Based on recent SNMP standards for distributed management, this paper addresses the scalability problem through distribution of monitoring tasks, applicable for tools such as SIMONE (SNMP-based monitoring prototype implemented by the authors). Distribution is achieved by introducing one or more levels of a dual entity called the Intermediate Level Manager (ILM) bet ...

14 A situated computing framework for mobile and ubiquitous multimedia access using small screen and composite devices

Thai-Lai Pham, Georg Schneider, Stuart Goose

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**Full text available:  pdf(952.99 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In recent years, small screen devices, such as cellular phones or Personal Digital Assistants (PDAs), enjoy phenomenal popularity. PDAs can be used to complement traditional computing systems to access personal multimedia information beyond the usage as digital organizers. However, due to the physical limitations accessing rich multimedia contents and diverse services using a single PDA is more difficult. Hence, the Situated Computing Framework (SCF) research project at Siemens Corporate Rese ...

Keywords: WWW, composite devices, mobile and ubiquitous computing, situated computing**15 The good, the bad, and the muffled: the impact of different degradations on Internet speech**

Anna Watson, M. Angela Sasse

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**Full text available:  pdf(696.99 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an experiment comparing the relative impact of different types of

degradation on subjective quality ratings of interactive speech transmitted over packet-switched networks. The experiment was inspired by observations made during a large-scale, long-term field trial of multicast conferencing. We observed that user reports of unsatisfactory speech quality were rarely due to network effects such as packet loss and jitter. A subsequent analysis of conference recordings found t ...

Keywords: Internet audio, media quality assessment, multicast conferencing, speech, subjective assessment

16 Experimental evaluation of forward error correction on multicast audio streams in wireless LANs

Philip K. McKinley, Suraj Gaurav

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**

Full text available:  pdf(416.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an experimental study of a proxy service to enhance interactive multicast audio streams when transmitted across wireless local area networks. The architecture of the proxy is presented, followed by results of a performance study conducted on a mobile computing testbed. The main contribution of the paper is to evaluate the effectiveness of forward error correcting codes on improving the quality of audio channels for collaborating mobile users.

17 Building an enterprise Web infrastructure using Windows 2000

Charles Brophy

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Full text available:  pdf(188.19 KB) Additional Information: [full citation](#), [index terms](#)

18 Innovative engineering learning center: design concepts and outcomes

John N. Murphy, Alan Russell, Anthony B. Jones

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Full text available:  pdf(894.34 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: active learning, collaborative learning, networking, team-based activities

19 Centralized directory services and accounts management project

Rob Murawski

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Full text available:  pdf(120.78 KB) Additional Information: [full citation](#), [index terms](#)

Keywords: authentication, directory service, public key infrastructure, security, single sign-on

20 Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4Full text available:  pdf(6.94 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

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